

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:	)
	)
Kenneth P. HINCKLEY et al.	) Group Art Unit: TBD
	)
Serial No.: Divisional of 09/940,505	) Examiner: TBD
	)
Filed: February 2, 2004	) Attorney Docket No. 003797.00821
	)
For: MANUAL CONTROLLED SCROLLING	)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to his duty of good faith and candor as set forth in 37 C.F.R. § 1.56(a) Applicant submits herewith the references cited on the attached PTO form 1449. Copies of the cited references were filed in parent application Serial No. 09/940,505, filed August 29, 2001, allowed, and are therefore not provided again herein. Applicant respectfully requests that the Examiner consider these references in connection with the search of the prior art required by 37 C.F.R. § 1.104.

Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed documents as a competent reference against the claims of the present application.

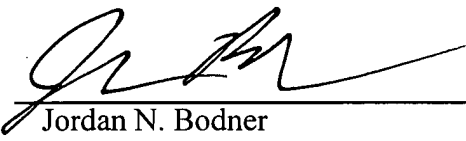
It is respectfully requested that the Examiner fully consider each item of information, initial the enclosed Form PTO-1449 in the appropriate place to indicate that the information has been considered, and return a copy of the initialed form to the undersigned in accordance with MPEP Section 609.

Kenneth P. HINCKLEY et al.  
Attorney Docket No.: 003797.00821

It is believed that no fee is required to ensure consideration of the cited references by the Examiner. However, if a fee is deemed necessary, the Commissioner is authorized to charge our Deposit Account No. 19-0733. A duplicate copy of this sheet is enclosed for accounting purposes.

Respectfully submitted,

BANNER & WITCOFF, LTD.

By:   
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Dated: February 2, 2004

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	Divisional of 09/940,505
Filing Date	February 2, 2004
First Named Inventor	Kenneth P. HINCKLEY
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	003797.00821

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	A	US-5,418,549	05/23/1995	ANDERSON et al.	
	B	US- 5,506,951	04/09/1996	ISHIKAWA	
	C	US- 5,748,185	05/05/1998	STEPHAN et al.	
	D	US- 5,771,037	06/23/1998	JACKSON	
	E	US- 5,850,211	12/15/1998	TOGNAZZINI	
	F	US- 5,864,330	01/26/1999	HAYNES	
	G	US- 5,889,236	03/30/1999	GILLESPIE et al.	
	H	US- 5,943,044	08/24/1999	MARTINELLI et al.	
	I	US- 5,943,052	08/24/1999	ALLEN et al.	
	J	US- 6,034,668	03/07/2000	JACKSON	
	K	US- 6,043,809	03/28/2000	HOLEHAN	
	L	US- 6,075,522	06/13/2000	MILROY	
	M	US- 6,084,570	07/04/2000	MILROY	
	N	US- 6,147,683	11/14/2000	MARTINEZ	
	O	US- 6,157,381	12/05/2000	BATES et al.	
	P	US- 6,314,426	11/06/2001	MARTIN et al.	
	Q	US- 6,369,837	04/09/2002	SCHIRMER	
	R	US- 6,496,180	12/17/2002	HEDMAN	
	S	US-			
	T	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	U					
	V					
	W					
	X					
	Y					
	Z					

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2

of

2

**Complete if Known**

Application Number	Divisional of 09/940,505
Filing Date	February 2, 2004
First Named Inventor	Kenneth P. HINCKLEY
Group Art Unit	2673
Examiner Name	TBA
Attorney Docket Number	003797.00125

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AA	William BUXTON et al., "A Study in Two-Handed Input", Proceedings of CHI '86, 1986, pp. 321-326.	
	AB	Yves GUIARD, "Asymmetric Division of Labor in Human Skilled Bimanual Action: The Kinematic Chain as a Model", Journal of Motor Behavior, Vol. 19, No. 4, 1987, pp. 486-517.	
	AC	Shumin ZHAI, et al., "Improving Browsing Performance: A Study of Four Input Devices for Scrolling and Pointing Tasks", Proceedings of INTERACT97: The Sixth IFIP Conference on Human-Computer Interaction, pp. 286-292.	
	AD	Ken HINCKLEY, et al., "Interaction and Modeling Techniques for Desktop Two-Handed Input", Proceedings of ACM UIST'98 Symposium on User Interface Software and Technology, 1998, pp. 49-58.	
	AE	William BUXTON, et al., "Issues and Techniques in Touch-Sensitive Tablet Input", Computer Graphics, Proceedings of SIGGRAPH'85, 19(3), 1985, pp. 215-223.	
	AF	Takeo IGARASHI, et al., "Speed-dependent Automatic Zooming for Browsing Large Documents", (Dated prior to August 29, 2001).	
	AG	Stephen A. BREWSTER et al., "The Design and Evaluation of an Auditory-Enhanced Scrollbar", Human Factors in Computing Systems, 1994, pp. 173-179.	
	AH	William Buxton, "There's More to Interaction than Meets the Eye: Some Issues in Manual Input", User Centered System Design: New Perspectives on Human-Computer Interaction, 1986, pp. 319-337.	
	AI	William Buxton., "Two-Handed Document Navigation", XEROX Disclosure Journal, 19(2), 1994, pp. 103-108.	
	AJ	Brad A. MYERS, et al., "Two-Handed Input Using a PDA and a Mouse", Human Computer Interaction Institute, School of Computer Science, Carnegie Mellon University, (Dated prior to August 29, 2001).	
	AK	Overview of Synaptics Touch Pad Features (6 pages), (Dated prior to August 29, 2001).	
	AL	Scott MACKENZIE, "(How) To Scroll or (How) Not To Scroll", University of Guelph, (Dated Prior to August 29, 2001).	
	AM	Synaptics webpage, <a href="http://www.synaptics.com/supp-touchdrivers.cfm">http://www.synaptics.com/supp-touchdrivers.cfm</a> , printed 12/13/00 (3 Pages).	
	AN	Synaptics webpage, <a href="http://www.synaptics.com/supp-driver-theramin.cfm">http://www.synaptics.com/supp-driver-theramin.cfm</a> , printed 12/13/00, (3 Pages).	

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.